

system that can be incorporated in the presently preferred invention is the ActiveWorks Integration System, available from Active Software of Santa Clara, California. As shown in FIG. 3, such an EAI system 80 uses an information broker 82 as the hub of the system. The information broker 82 acts as the central control and storage point for the system. The information broker 82 can reside on a server and serves to mediate requests to and from networked clients; automatically queuing, filtering and routing events while guaranteeing delivery. The information broker 82 is capable of storing subscription information and using such subscription information to determine where published information is to be sent. Referring back to FIG. 2, the information broker 44 is shown located at a point along the information bus 42. In most instances the broker will be located within the same NOC 36 as the host 34 that runs the NCC 32 application. Another key feature to the EAI system 80 is the use of adapters 84 that allow users of the EAI system 80 to integrate diverse applications and other information when using the integration system. Adapters 84 provide bi-directional mapping of information between the application's native format and integration system events, enabling all custom and packaged applications, databases, and Internet and extranet applications to exchange information. As shown in FIG. 3 the adapters 84 run on the various services 86, network nodes 88 and the monitor interface 90 of the presently preferred embodiment of the present invention. These adapters 84 publish and subscribe to by way of the information bus 92 that has its hub at the broker 82.--

Claims

Please add claims ^{31, 38}~~29-36~~ as follows:

Rule
112b

31

29. (New) A method for conveying data communications network management information to an umbrella management system, the method comprising:

subscribing an adapter to an information bus to capture network management events;

formatting said events into an umbrella management system information by a converter in communication with said adapter;

conveying said umbrella system information to said umbrella management system by a forwarder in communication with said converter.

32

30. (New) The method of claim 29 further comprising:

31

selecting certain information from certain network management events, said filter in communication with said adapter.

33

31. (New) The method of claim 29 further comprising:

31

transmitting events across said information bus by a publisher in communication with said adapter.

34

22. (New) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method for conveying data communications network management information to an umbrella management system, said method comprising:

subscribing an adapter to an information bus to capture network management events;

formatting said events into an umbrella management system information by a converter in communication with said adapter;

conveying said umbrella system information to said umbrella management system by a forwarder in communication with said converter.

35

~~33~~. (New) A method for conveying data communications network management information to an umbrella management system, said method comprising:

subscribing to network management information events published on said information bus;

receiving said network management information events;

converting said network management information events into umbrella management system information useable by said umbrella management system; and

communicating said umbrella management system information to said umbrella management system.

36

~~34~~. (New) The method of claim ~~33~~³⁵ further comprising:

filtering said network management information events to communicate selected information in said events to said umbrella management system.

37

~~35~~. (New) The method of claim ~~34~~³⁶ further comprising:

publishing events on to said information bus.